

DAFTAR PUSTAKA

- Abdel NS, Sherweit EA, Rola M, dan Sally S. 2012. *Kalanchoe thrysiflora* Harv. And *Kalanchoe marmorata* Baker; DNA Profiling Biological Guided Fractionation of Different Extracts; Isolation and Identification of Cytotoxic Compounds. *Journal of Applied Pharmaceutical Science* 2(8):215-220.
- Afzal M, Gupta G, Kazmi M, Afzal O, Alam J. 2012. Anti-inflammatory and Analgesic Potential of a Novel Steroidal Derivative from *Bryophyllum pinnatum*.. *Fitoterapia*. 83:853-858
- Anna BK, Zidorn C, Kasprzycka M, Szymezak G, dan Szymezak K. 2018. Phenolic Acid Content, Antioxidant and Cytotoxic Activities of Four *Kalanchoe* Species. *Saudi Journal of Biological Sciences* 25:622-630.
- Annasua C, Subrata KB, Joysree D, Utpal KK, Manik CS dan Nayan D. 2011. Investigation of Cytotoxicity and Antifungal Activities of Petroleum Ether and Aqueous Extracts of Leaves and Stems of *Kalanchoe pinnata* L. (*Crassulaceae*). *Asian Journal of Plant Sciences* 10(4):274-277.
- Anggrianti P. 2008. Uji sitotoksik ekstrak etanol 70% buah kemukus (*Piper cubeca* L.) terhadap sel HeLa. [Skripsi]. Surakarta: Fakultas Farmasi, Universitas Muhammadiyah Surakarta.
- Asmuddin. 2004. Peran gen p16 pada siklus sel terhadap pembentukan kanker. *JKM* 4(1): 63-73.
- ATCC. 2012. Thawing, Propagating and Cryopreserving of NCI-PBCF-HTB133 (T47D, ATCC HTB-133) cells breast carcinoma. [23 November 2018].
- Bangun A. 2012. *Ensiklopedia Tanaman Obat Indonesia*. Indonesia Publishing House. Bandung. Hal 394-395
- Bawon T, Triana H, Agustinus Y. 2016. Sitotoksitas minyak mesoyi (*Cryptocarya massoy*) terhadap sel vero. *e-Jurnal Pustaka Kesehatan* 4(2):263-266.
- Biswas SK, Chowdhury A, Raihan SZ, Muhit MA, Akbar MA, dan Mowla R. 2012. Phytochemical Investigation with Assessment of cCytotoxicity and Antibacterial Activities of Chloroform Extract of the Leaves of *Kalanchoe pinnata*. *American Journal of Plant Physiology* 7(1):41-46.
- Brunner dan Suddarth. 2002. *Buku Ajar Keperawatan Medikal Bedah*. Edisi 8. Jakarta: EGC.
- Burdall SE, Andrew MH, Mark RJ, Valerie S. 2002. Breast cancer cell lines. *Breast Cancer Research* 5(2):89-95

- Cahyawati, Putu Nita. 2018. Imunoterapi pada kanker payudara. *Jurnal Lingkungan & Pembangunan*. 2(1):52-55
- Canava T.P, Doshi N.R. 2000. Cervical Cancer. *Am Fam Physician* 61(5): 1369-76.
- Corwin EJ. 2009. *Buku Saku Patofisiologi*. Edisi III. Subekti N B, penerjemah. Jakarta: Penerbit Buku Kedokteran. Terjemahan dari : *Handbook of Pathophysiology*.
- Darmono. 2012. *Toksikologi Genetik: Pengaruh, Penyebab dan Akibat Terjadinya Penyakit Gangguan Keturunan*. Jakarta: UI-Press. Hlm 180-181.
- Davis WL dan Mathew SB. 2000. Antioxidants and Cancer III: Quercetin. *Altern Med Rev* 5(3):196-208.
- [DEPKES RI] Departemen Kesehatan Republik Indonesia. 1986. *Sediaan Galenik*. Jakarta: Departemen Kesehatan RI.
- [Depkes RI] Departemen Kesehatan Republik Indonesia. 2000. *Parameter Standart Umum Ekstrak Tumbuhan Obat*. Jakarta: Departemen Kesehatan Republik Indonesia
- Dewi AS. 2009. Pengembangan drug discovery dari bahan alami laut untuk imunoterapi kanker. *Squalen*. 4(3):105-111.
- Dipiro, J.T. 2005. *Pharmacotherapy*, 6th Edition, New York: Appleton and Lange
- Durgawale P, Phatak R, Datkhile K, Hendre A, Pushpa D. 2015. Biologically Synthesized Silver Nanoparticles from Latex of *Syandenum grantii* and Fresh Leaves of *Kalanchoe pinnata*: Potential Source of Cytotoxic Agents against cervical Cancer Cells. *International Journal of Science and Research* 4(10):340-343.
- Eun Jeong Choi, Su Mi Bae, and Woong Shick. 2008. Antiproliverative effects of kuersetin through cell cycle arrest and apoptosis human breast cancer MDA-MB-435 cells. *Arch Pharm Res* 31(10): 1281-1285.
- Fatma SW, Suci S, Yulfri A. 2011. Uji efek sitotoksik ekstrak etanol kulit buah asam kandis (*Garcinia cowa* Roxb.) terhadap sel kanker payudara T47D dengan metoda MTT assay. *J Sains Tek Far* (16): 209-215.
- Fitriatuzzakiyyah N, Rano KS, Irma MP. 2017. Terapi kanker dengan radiasi : konsep dasar radioterapi dan perkembangannya di Indonesia. *Jurnal Farmasi Klinik Indonesia* 6:311-320.
- Fraenkel JR, Wallen NE, Hyun NH. 2012. Internal Validity. How to Design and Evaluate Research in Education. *New York: McGraw-Hill*, 166-83.

- Ganju K dan Ganju E. 2016. Phytochemical analysis Metanolic Extract of Leaves of *Kalanchoe pinnata* (Lam.). *European Journal of Pharmaceutical and Medical plant* 3(5): 359-361.
- Gibellini L, Pinti M, Nasi M, Montagna JP, Biasi S, Roat E, Bertoncelli L, Cooper EL, dan Cossarizza A. 2011. Quercetin and Cancer Chemoprevention. *Evid Based Complement Alternat Med Ecam* : 591356.
- Goncalves JLS et al. 2005. In vitro anti-rotavirus activity of some medicinal plants used in Brazil against diarrhea. *J Ethnopharmacol* (99): 403-407.
- Guillermo R, Anna del P, dan Jorge LZ. 2008. Neutral red uptake assay for the estimation of cell viability/cytotoxicity. *Nature Protocols* 3(7):1125-1131.
- Haghdoust Siamak. 2005. Biomarkers of oxidative stress and their application for assessment of individual radiosensitivity. Department of genetics, microbiology and toxicology. Stockholm
- Harborne JB. 1987. Metode Fitokimia : *Penuntun Cara Modern Menganalisis Tumbuhan*. Padmawinata K dan Soediro I, penerjemah. Bandung: Penerbit ITB. Terjemahan dari *Phytochemical Methods*.
- Haryanto S. 2009. *Ensiklopedi Tanaman Obat Indonesia*. Palmall. Yogyakarta. Hal 491 – 493.
- Haryoto, Muhtadi P, Indrayudha, Tanti A, Andi S. 2013. Aktivitas sitotoksik ekstrak etanol tumbuhan sala (*Cynometra ramiflora* Linn) terhadap sel HeLa, T47D, dan Widr. *Jurnal Penelitian Saintek* 18(2):21-28.
- Handayani L, Suharmiati, Atika A. 2012. *Menaklukan Kanker Serviks dan Kanker Payudara dengan 3 Terapi Alami*. Jakarta: PT Agro Media Pustaka.
- Hernawati S, Fedik AR, Ketut S, Retno PR. 2013. Efek ekstrak buah delima (*Punica granatum* L) terhadap ekspresi wild p53 pada sel ganas rongga mulut mencit strain swiss webster. *Dental Journal* 46(3):148-151.
- Heti D. 2008. Uji sitotoksik ekstrak etanol 70% herba sisik naga (*Drymoglossum piloselloides* Presl.) terhadap sel T47D. [Skripsi]. Surakarta : Fakultas Farmasi, Universitas Muhammadiyah Surakarta.
- Heyne K. 1987. *Tumbuhan Berguna Indonesia Jilid I dan II*. Terjemah Badan Libang Kehutanan. Cetakan I. Jakarta Pusat: Koperasi Karwayan Departemen Kehutanan.
- Hoffmannova L, Oklestkova J, Steigerova J, Kahout L, Kolar Z, dan Strnad M. 2012. Anticancer activity of brassinosteroid. Brassinosteroid: *Practical in Agriculture and Human Health*

- Hui-Chi H, Ming- Kuem L, Hsin- Ling Y, You-Chuang L, Yen-Hsueh T, Minoru T, dan Yueh-Hsiung K. 2013. Cardenolides and Bufadienolide Glycosides from *Kalanchoe tubiflora* and Evaluation of Cytotoxicity. *Planta Med* 79:1362-1369.
- Istindah HN, Auerkari EI. 2001. Mekanisme kontrol siklus sel (suatu tinjauan khusus peran protein regulator pada jalur retinoblastoma (Rb)). *JKGUI* 8(1):39-47.
- Justyna SH, Anna H, Magdalena G, Rafal H, Agata S, Mariusz K, Anna S, dan Renata O. 2020. Biological Activities of Leaf Extracts from Selected *Kalanchoe* Species and Their Relationship with Bufadienolides Content. *Pharmaceutical Biology* 58(1):732-740.
- Kazi AAC, Mohammed EH, Sekendar A, Irfanul H, Mohammad JR, Adnan, Nazim UC, Imtiazul K, Reedwan JA, Rakib U, dan Raihan UZ. 2016. Antioxidant, cytotoxic and thrombolytic activity of leaves of *Kalanchoe pinnata* (LAM.) PERS. *Journal of Pharmacognosy and Phytochemistry* 5(4):309-315.
- [Kemenkes RI] Kementrian Kesehatan Republik Indonesia. 2013. *Suplemen III Farmakope Indonesia*. Edisi I. Jakarta: Kementrian Kesehatan Republik Indonesia. Hlm 106-107
- [Kemenkes RI] Kementrian Kesehatan Republik Indonesia. 2016. *Situasi Penyakit Kanker*. Jakarta: Depkes RI.
- Kintzios SE dan Barberaki MG. 2005. *Plant That Fight Cancer*. United States of America : CRC Press LLC.
- Kuete V, Fokou FW, Karaosmanoglu O, Beng VP, dan Sivas H. 2017. Cytotoxicity of the methanol Extracts of *Elephantopus mollis*, *Kalanchoe crenata* and 4 other Cameroonian Medicinal Plants Towards Human Carcinoma Cells. *BMC Complementary and Alternative Medicine* 17(280):2-9
- Kupcsik L dan Stoddart MJ. 2011. *Mammalian Cell Viability: Methods and Protocols*. New York: Humana Press. Hal. 13-18.
- Kusuma A.W, Nunuk A. N, Dwi H. 2010. Efek sitotoksik dan antiproliferasi kuersetin pada sel kanker kolon WiDr. *Jurnal Farmasi* 7(3).
- Khumairoh I, Irma MP. 2016. Kultur sel. *Farmaka Suplemen*, 14(2):98-110.
- Lilis SA, Yenny FY, Euis J, Tati H, Achmad Z, Wawan H, Unang S, dan Hideo H. 2015. Flavonoids from the Fresh Leaves of *Kalanchoe tomentosa* (Crasulaceae). *Open Chemistry Journal* 2:36-39.

- Lilis SA, Yenny FY, Ade AA, Tati H, Euis J, dan Unang S. 2016. Flavonoid Compounds from the Leaves of *Kalanchoe tomentosa* and their Cytotoxic Activity against P-388 Murine Leukemia Cells 1(1):1-4.
- Lilis SA, Yenny FY, Tati H, Euis J, Achmad Z, Ida N, Ace TH, Unang S, dan Yoshihito S. 2017. Flavonoid Compounds from the Leaves of *Kalanchoe prolifera* and their Cytotoxic Activity against P-388 Murine Leukemia Cells. *Natural Product Sciences* 23(2):139-145.
- Lulu AA, Ana I, Amin TK. 2015. Upaya Perpustakaan Menguramgi Plagiarisme Pada Karya Ilmiah Mahasiswa. *Jurnal Ilmu Perpustakaan Fakultas Ilmu Budaya Universitas Diponegoro* 4(3): 1-13.
- Lukman M, Wahyudin E, Subehan, Manggau MA. 2014. Cytotoxic effect of four Makassarese medical plants on human cervical cell lines and its selectivity. *J Chem Pharm Res* 6: 851-855.
- Majaz Q, Tatiya AU, Khurshid M, Nazim S, dan Siraj S. 2011. The Miracle Plant (*Kalanchoe pinnata*) : A Phytochemical and Pharmacological Review. *IJRAP* 2(5): 1478-1482.
- Manohar N, Nagesh M, Meena K, Manasa GC. 2015. Evaluation of the Phytochemical, Antiproliferative, Antioxidant, Antibacterial Activities of *Kalanchoe blossfeldiana* Leaves. *World Journal of Pharmaceutical Research* 4(12):1201-1214.
- Martindale, William. 1993. *The Extra Pharmacopeia* 30th Edition. Reynolds JEF, editor. New York: Amer Pharmaceutical Assn.
- Meizarani A, Elly M, Prijawan R. 2005. Sitotoksitas bahan restoras Cyanoacrylate dengan variasi perbandingan powder dan liquid menggunakan MTT assay. *Jurnal Penelitian Medika Eksakta* 6:16-25.
- Miles B, Mathew, dan Michael Huberman. 1992. *Analisis Data Kualitatif Buku Sumber Tentang Metode-metode Baru*. Jakarta: UIP.
- Mukhriani. 2014. Ekstraksi, Pemisahan Senyawa, dan Identifikasi Senyawa Aktif. *Jurnal Kesehatan* 7(2).
- Mustarichie E, Udin Z, Levita J, Musfiroh I, dan Zulfricar I. 2011. Activity of leaf extracts of *Coix lachryma* Linn. And *Asparagus cochinchinensis* Linn. as breast anticancer drugs. *MHSJ* 9: 47-57.
- Mutiah R. 2017. Studi efikasi dan keamanan ekstrak akar dan daun *Calotropis gigantea* terhadap sel kanker kolon dan sel kanker payudara secara in vitro. *Journal of Islamic Medicine* 1(2):67-75.
- Nazir M. 2011. *Metode Penelitian*. Jakarta: Ghalia Indonesia.

- Nils-Goran Larsson, David A Clayton. 1995. All Rights Reserved Molecular Genetic Aspects Of Human Mitochondrial Disorders, Annual Review, Department Of Developmental Biology. Beckam Center For Molecular and Genetic Medicine. Stanford University School of Medicine. *California Amu Rev* 29:151-178
- Orwa C, Mutua A, Kindt R, Jamnadass R, Simons A. 2009. Agroforestry Database, a tree reference and selection guide version 4.0.
- Pereira KMF, Grecco SS, Figueiredo CR, Jorge KH, Nakamura MU, dan Lago JHG. 2018. Chemical Composition and Cytotoxicity of *Kalanchoe pinnata* Leaves Extracts prepared using Accelerated System Extraction (ASE). *Natural Product Communications* 13(2):163-166.
- Pezzoli A, Matarese V, Rubini M. 2007. Colorectal cancer screening: Result of 5-year program in asymptomatic subject at increased risk. *Digestive and Liver Disease*.
- Purwaningsih, Endang. 2014. Pemendekan telomer dan apoptosis. *Jurnal Kedokteran Yarsi* 22(2):132-141.
- Puspitasari E, Bayu A, Nuri, Evi U. 2015. Aktivitas sitotoksik ekstrak n-heksana, diklorometana, dan metanol daun beluntas (*Pluchea indica* Less.) terhadap sel kanker leher rahim (HeLa). *Journal of Pharmaceutical Science and Pharmacy Practice* 2(1):41-45.
- Pratiwi E. 2010. Perbandingan metode maserasi, remaserasi, perkolasi dan reperirolasi dalam ekstraksi senyawa aktif andrographolide dari tanaman sambiloto (*Andrographis paniculata* (Burm.f.) Nees). [Skripsi]. Bogor: Fakultas Teknologi Pertanian, Institut Pertanian Bogor.
- Raden A. 2017. Uji aktivitas daun bidara arab (*Ziziphus spina-christi* L.) sebagai antikanker pada sel kanker kolon (WiDr) melalui metode MTT dan identifikasi senyawa aktif dengan metode LC-MS. [Skripsi]. Malang: Fakultas Sains dan Teknologi, Universitas Islam Negeri Maulana Malik Ibrahim Malang.
- Ravishankar D, rajora AK, Greco F, Osborn HMI. 2013. Flavonoids as prospective compounds for anti-cancer therapy. *The International Journal of Biochemistry and Cell Biology*. 30:1-11.
- Renidayati. 2016. Penurunan stres fisik dan psikososial pasien pre-operasi bedah onkologi melalui meditasi terapi di salah satu rumah sakit di kota padang. *Ners Jurnal Keperawatan* 12(1):38-47.
- Ren W, Qiao Z, Wang H, Zhu L, Zhang L. 2003. Flavonoids: promising anticancer agents. *Medicinal Research Reviews*. 23(4): 519-534.

- Rollando, Kestrilia RP. 2017. Fraksi etil asetat kulit batang faloak (*Sterculia quadrifida* R.Br) menginduksi apoptosis dan siklus sel pada sel kanker payudara T47D. *Jurnal Farmasi Sains dan Komunitas* 14:1-14.
- Sarah QS, Fatema C, dan Misbahudin M. 2017. Brine shrimp lethality assay. *Bangladesh Journal Pharmacol* 12:186-189.
- Setiani A. 2018. Uji toksisitas subkronik singkat ekstrak metanol akar kuning dayak (*Arcangelisia flava* (L.) Merr.) terhadap kadar AST dan ALT serta gambaran histopatologi hati tikus galur wistar. [Skripsi]. Surakarta: Fakultas Farmasi, Universitas Setia Budi.
- Shruti B dan Divya C. 2019. Cytotoxic and Genotoxic Effects of *Kalanchoe pinnata* (Lam.) Pers. Fresh Leaf Juice in the Cultured Human Blood Lymphocytes. *Drug and Chemical Toxicologi*.
- Sirait PS, Setyaningsih I, Tarman K. 2019. Aktivitas antikanker ekstrak Spirulina yang dikultur pada media walne dan media organik. *Jurnal Pengolahan Hasil Perikanan Indonesia* 22:50-59.
- Sugiyono. 2015. *Metode Penelitian Kuantitatif Dan Kualitatif dan R&D*. cetakan ke-22. Bandung: Alfabeta.
- Suhono B dan TIM LIPI. 2010. *Ensiklopedia Flora*. PT Kharisma Ilmu. Bogor. Hal 123-125.
- Sutapa M, Saurabh M, Shirish S, Arvind P, Mugesh G, Bhudev CD, dan Alok CB. 2012. Anticancer Property of *Bryophyllum pinnata* (Lam.) Oken. Leaf on Human Cervical Cancer Cells. *BMC Complementary and Alternative Medicine* 12(15):2-11
- Sri H, Yuli W. 2017. Aktivitas sitotoksik pada sel MCF-7 dari tumbuhan Indonesia untuk pengobatan tradisional kanker payudara. *Media Litbangkes* 27(4):247-254.
- Triputra J. 2016. Uji sitotoksik ekstrak etanol daun sirih merah (*Piper crocatum* Ruiz & Pav) pada sel kanker kolon WiDr. [Skripsi]. Surakarta: Fakultas Farmasi, Universitas Setia Budi.
- Vichai V dan Kirtikara K. 2006. Sulforhodamine B colorimetric assay for cytotoxicity sreening. *Nature Protocols* 1(3):1112-1116.
- Voigt R. 1994. *Teknologi Farmasi*. Edisi IV. Yogyakarta: Gadjah Mada University press.
- Wulandari, Endah. 2011. Apoptosis: protein yang terlibat dan perannya dalam sel normal. *Medika Islamika, Jurnal Kedokteran Kesehatan dan Keislaman* 6(1):53-62.

- Yenny FB, Lilis SA, Tri RS, Arif RH, Tati H, Euis J, Achmad Z, dan Unang S. 2015. Phenolic Compounds from the Leaves of *Kalanchoe blossfeldiana* (Crasulaceae) Plant. *Prosiding Green Chemistry 4 : Organic Chemistry Semarang Universitas Diponegoro*: 359-362.
- Yenny FY, Lilis SA, Tri RS, Arif RH, Sari P, Tati H, Euis J, Achmad Z, dan Unang S. 2017. Senyawa fenolik dari daun tanaman *Kalanchoe prolifera* (Crasulaceae). *Jurnal Kimia Valensi* 3(1):27-34.
- Yi-Jen H, Ming-Yeh Y, Yann-Lii L, Chinpiao C, Chin-Fung W, Meng-Ya C, dan Chih-Jui C. 2012. *Kalanchoe tubiflora* Extract Inhibits Cell Prolieration by Affecting the Mitotic Apparatus. *BMC Complementary and Alternative Medicine* 12(149):2-10.
- Yun YF, Lilis SA, Tri RS, Arif RH, Sari P, Tati H, Euis J, Achmad Z, dan Unang S. 2017. Senyawa Fenolik dari Daun Tanaman *Kalanchoe prolifera* (Crasulaceae). *Jurnal Penelitian dan Pengembangan* 3(1): 27-34.
- Zhen-Rung L, Yu-Ling H, Shun-Chieh H, Tai-Hung H, Shang-Chih L, Jen-Chieh T, Ching-Ying W, Guan-Jhong H, dan Yuan-Shiun C. Antioxidant, Anti-inflammatory and Antiproliferative Activities of *Kalanchoe Gracilis* (L.) DC Stem. *The American Journal of Chinese Medicine* 39(6):1275-1290.